

Message Text

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PAGE 01 CAIRO 00639 01 OF 02 121846Z
ACTION OC-06

INFO OCT-01 CCO-00 NEA-10 SY-05 ISO-00 /022 W
-----121902Z 020777 /65C

P 121313Z JAN 77
FM AMEMBASSY CAIRO
TO SECSTATE WASHDC PRIORITY 529
INFO AMCONSUL KARACHI PRIORITY

C O N F I D E N T I A L SECTION 1 OF 2 CAIRO 0639

SECSTATE FOR OC/PE, NEA/EGY (PASS AMB EILTS), A/SY/FO; KARACHI
FOR RCO AND RSS FROM CEO ARIANSEN

EO 11652: GDS
TAGS: ACOM, ASEC
SUBJ: VHF RADIO CAIRO - SURVEY

REF STATE 311274, KARACHI 5489,

PRIOR TO CONDUCTING SURVEY TO ESTABLISH NEED FOR UPGRADE
OF CAIRO VHF RADIO THE FOLOWING WAS ACCOMPLISHED INORDER TO
RE-ESTABLISH COMMUNICATIONS SUPPORT FOR SPECIAL MISSION
TEAM AND TO PREPARE NECESSARY EQUIPMENT FOR A SURVEY.

1. TWO DT-76'S HAD DEFECTIVE POWER SUPPLIES, ONE AN OPEN VOLTAGE
REGULATOR, VR-2, THE OTHER A OPEN TRANSISTOR, Q505. BOTH
COMPONENTS NEEDED TO DEVELOP NECESSARY PLUS TEN VOLTS
FOR REMOTE AUDIO BOARD AND RECEIVER RF STAGES. BOTH DT-76'S
WERE INSTALLED AT ONE TIME OR ANOTHER ON ROOF OF ZAHRA
BUILDING AND BOTH HAD FAILED DUE TO INDUCED AC VOLTAGES
PICKED UP AT ONE OF THREE EMBASSY CROSS CONNECT BOXES
USED TO ROUTE THE DESKON II TELEPHONE PAIR TO ROOF. THE
TELEPHONE PAIR ALSO SHOWED EXCESSIVE LINE IMPEDENCE. BOTH
UNITS WERE REMOVED FROM ROOF AND 400 FEET OF RG 8 WAS RUN
FROM 6DB GAIN ANTENNA ON ROOF TO MSG DESK IN CHANCERY.
THE TONE 90 MOD FOR DESKON WAS INSTALLED AND DESKON WIRED TO
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DT 76. THE PMR ALARM, INCLUDING TAPE RECORDER AND BELL ARE
NOW OPERATING PROPERLY. THE SECOND DT-76 WAS INSTALLED IN
MSG GUARD HOUSE AT COM RESIDENCE IN ZAMALEK. APPROX 100
FEET OF RG 8 WAS RUN FROM MSG GUARD HOUSE TO ROOF OF COM
RESIDENCE. A THIRD DT-76 WAS DAMAGED IN SHIPMENT AND
POWER SUPPLY AND TRANSMITTER WERE PULLED OFF MAIN FRAME
INSIDE THE HOUSING, THE RECEIVER WAS NOT OPERATING. THE POWER

SUPPLY AND TRANSMITTER WERE REMOUNTED TO FRAME AND A SUBSTITUTE RECEIVER INSTALLED THAT WAS BROUGHT BY CEO FROM RCO STOCK. THIS UNIT WAS INSTALLED AT RSO RESIDENCE MAADI.

2. TWO OF THE THREE PE-66 CHARGERS BROUGHT TO CAIRY BY SPECIAL MISSION TEAM REQUIRED REPAIR. TRANSISTORS Q2 IN BOTH UNITS WERE REPLACED. THREE ADDITIONAL CHARGERS WERE NEEDED TO PROVIDE FULLY CHARGED STANDBY PE-66'S AND TO PROVIDE RSO AND MARINES WITH QUICK CHARGE CAPABILITY. THREE ADDITIONAL PE-66 CHARGERS WERE PROVIDED BY RCO KARACHI.

3. THREE PE66'S AND FOUR PR-36'S REQUIRED ALIGNMENT.

4. TWO PR-36 CHARGERS AND TWO PE-56 CHARGERS HAD BLOWN FUSES.

5. THE CONTROL HEAD IN DCM VEHICLE REQUIRED REPAIR. THE PMR PACKAGE WOULD KEY TRANSMITTER BUT NOT MIKE CONNECTED TO CONTROL HEAD. THE PTT CONNECTION ON J702 PIN 3 WAS OPEN. THE MT 76 BROUGHT TO CAIROY BY CEO FROM RCO STOCK WAS INSTALLED.

6. NO AC BACKUP POWER AS AVAILABLE AT MSG DESK IN CHANCERY. AC OUTLEST WERE PROVIDED AND ALL VHF EQUIPMENT IS TIED INTO BACK-UP AC POWER.

7. SIX HN-56'S HAVE BEEN RECEIVED, THREE FROM DAMASCUS AND THREE FROM BEIRUT, TWO REQUIRE REPAIR, THE REMINING WERE ISSUED TO SPECIAL MISSION TEAM.

8. EXTENSIVE COMMUNICATION TESTING WAS CONDUCTED BETWEEN
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RSO RESIDENCE MAADI AND COM RESIDENCE ZAMALEK WITH MIXED RESULTS. RECEPTION FROM RSO RESIDENCE AT MSG GUARD HOUSE ZAMALEK WAS LOUD AND CLEAR BUT NEGATIVE RECEPTION AT RSO RESIDENCE. MANY ATTEMPTS WERE MADE TO RELOCATE ANTENNA WITHIN COM COMPOUND, ALL WITH NEGATIVE RESULTS. THE NEW ANTENNA NOW INSTALLED ON ROOF OF COM RESIDENCE IMPROVED RECEPTION ONLY. WHEN THE DT 76 IS KEYED THE OUTPUT IS SCATTERED OFF HIGH RISE BUILDINGS IMMEDIATE SURROUNDING COM RESIDENCE, REDUCTING TRANSMIT CAPABILITY FOR ANY GREAT DISTANCE. RADIO TESTS WERE CONDUCTED FROM NAMRU 3 (NAVAL RESEARCH LAB) IN ABBESIA, LOCATED BETWEEN AIRPORT AND CHANCERY AND SOLID COMMUNICATIONS WAS ESTABLISHED BETWEEN NAMRU 3 AND COM RESIDENCE, CHANCERY AND MAADI. BASED ON TEST RESULTS, I RECOMMEND A REPATER BE INSTALLED AT NAMRU 3.

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ACTION OC-06

INFO OCT-01 CCO-00 NEA-10 SY-05 ISO-00 /022 W
-----121903Z 018904 /65

P 121313Z JAN 77
FM AMEMBASSY CAIRO
TO SECSTATE WASHDC PRIORITY 530
INFO AMCONSUL KARACHI PRIORITY

C O N F I D E N T I A L SECTION 2 OF 2 CAIRO 0639

STATE FOR OC/PE, NEA/EGY (PASS AMB EILTS) A/SY/FO;
KARACHI FOR RCO AND RSS FROM CEO ARIANSEN

9. A MEETING WAS HELD AT NAMRU-3 WITH LTCOMM FERRIRS (USN) (NRC) TO DISCUSS REPEATER INSTALLATION AND BACKUP POWER CAPABILITIES. TWO NEW GENERATORS HAVE BEEN INSTALLED AND 24-HOUR BACKUP POWER IS AVAILABLE. IN JUNE AUTOMATIC SWITCHING FROM CITY TO BACKUP POWER IS TO BE INSTALLED. NAMRU 3 PERSONNEL ARE RECEPTIVE TO REPEATER INSTALLATION AND A ROOM FOR REPEATER HAS BEEN DESIGNATED AND LOCATION FOR ANTENNAS SELECTED.

10. THE SPECIAL MISSION PERSONNEL ARE PROVIDING EXCELLENT COMMUNICATIONS SUPPORT AND HAVE SUFFICIENT COMMUNICATIONS EQUIPMENT TO PERFORM THEIR WORK, HOWEVER, THEY ARE CONCERNED ABOUT LACK OF IMMEDIATE DIRECT COMMUNICATIONS BETWEEN MAADI AND COM RESIDENCE. ALTHOUGH MARINE AT EMBASSY IS ACTING AS RELAY, RSO AND SPECIAL MISSION TEAM PERSONNEL EXPRESSED THEIR NEED TO COMMUNICATE FROM ANYWHERE WITH MAADI AREA TO CHANCERY AND COM RESIDENCE USING PE-66'S. THIS THEY ADVISED IS NECESSARY TO PERFORM THEIR WORK, UNDER PRESENT CONDITIONS, PROPERLY. THEY ARE REQUESTING A SECOND REPEATER BE INSTALLED IN MAADI. UNDER NORMAL CONDITIONS REPEATER AT NAMRU3 WOULD BE SUFFICIENT TO COMMUNICATE TO ALL POINTS IF HN-36'S, HN-56'S MOBILE UNITS OR BASE STATIONS WERE USED. I RECOMMEND DEPT MEET ALL REQUIREMENTS OF SPECIAL MISSION TEAM. BASED ON
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SPECIAL MISSION TEAM REQUIREMENTS AND THE SURVEY I RECOMMEND
DEPT PROVIDE FOLLOWING FOR CAIRO:

TWO REPEATERS WITH REQUIRED ANTENNAS, TWO RINGO AR-2'S

PER REPEATER WILL BE SUFFICIENT, INPUT FREQUENCY OF 162.750
OUTPUT FREQUENCY 162.125 WITHSIMPLEX OPERATION ON 162.125
ON ALL PORTABLE UNITS, VEHICLE UNITS AND BASE STATIONS.
ONE REPEATER TO BE INSTALLED AT NAMRU-3 AND ONE AT CRO RES-
IDENCE MAADI.

SIX PE-66'S, HIGH POWER WITH SELCAL AND RE-CRYSTALIZED FOR
REPEATER OPERATION. TO INCLUDE GEPL19D413522G1 BATTERIES.

SIX PE-66 CHARGERS (3HOUR), 11VAC, WITH ELBOWS AND ANTENNAS.

FIVE HN-56'S OR HN-36'S, BASED ON AVAILABILITY, WITH SELCAL
AND RE-CRYSTALIZED FOR REPEATER OPERATION, WITH CHARGERS
AND ANTENNAS.

THREE MC-76'S OR MT-76'S BASED ON AVAILABILITY, RE-CRYS-
TALIZED FOR REPEATER OPERATION. TO INCLUDE ENTIRE INSTALL-
ATION PACKAGE.

FIVE GUTTER MOUNT ANTENNAS

ONE TONE 99 ENCODER

SIX PVO-6'S, RECEIVE 162.125, WITH CHARGERS AND SPARE
BATTERIES.

FOUR RINGO AR-2 ANTENNAS. (IN ADDITION TO THOSE PROVIDED
WITH REPEATERS)

500 FT OF RG-58 AND 20 PL-259 BNC CONNECTORS.

11. USDAO CAIRO ADVISES IT MIGHT BE POSSIBLE TO SHIP EQUIP-
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MENT TO CAIRO ON ANY OF PEACE PYRAMID C-130'S BEING DELIVERED
TO GOE. THE ONLY REQUIREMENT WILL BE FOR DEPT TO DELIVER
EQUIPMENT TO USAF IN MARIETTA GEORGIA. BY USING C-130'S,
EQUIPMENT CAN BE DELIVERED TO EMBASSY AS SOON AS PLANE
ARRIVES, AVOIDING A POSSIBLE ONE OR TWO MONTH DELAY AT
CUSTOMS AT CAIRO AIRPORT.

THE FOLLOWING IS REQUIRED DATA FOR CONTACT.

LTCOL ALBERT R KAISER, USAF OR CAPT CHARLES L EVANS, JR
(USAF).
AIR FORCE PLANT REP OFFICE (AFPRO)
LOCKHEED - GEORGIA COMPANY
MARIETTA, GEORGIA 30063.
AUTOVON 925-1110 EXT 3126
CABLE: AFPRO LOCKHEED GA CO MARIETTA GA/FO

THE FOLLOWING IS FLIGHT SCHEDULES:

FLT NO 3. DEPARTS 25 JAN ARRIVES 30 JAN

FLT NO 4. DEPARTS 18 FEB ARRIVES 23 FEB

LT COL KAISER WILL BE PILOT OF FLIGHT NUMBER THREE AND CAPT
EVANS WILL BE PILOT OF FLT NUMBER FOUR.

12. THE ABOVE HAS BEEN REVIEWED BY RCO KARACHI, RSO CAIRO,
DCM CAIRO AND DAO CAIRO. AMB EILTS DEPARTED CAIRO WITH ONE
MEMBER OF SPECIAL MISSION TEAM. REQUEST DEPT HAVE AMB APPROVE
ABOVE RECOMMENDATIONS AND ADVISE ASAP AVAILABILITY OF
EUIPMENT AND DELIVERY SCHEDULED.
MATTHEWS

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